DETAILED ACTION

REASONS FOR ALLOWANCE

attached **"Response to Arguments"**

1. Applicant's arguments, see Amendment filed **2/25/2010** and see Interview Summaries for **6/2/2010, 6/3/2010, 6/7/2010 and 6/9/2010**, with respect to claims **1-3, 5-12, and 14-15** have been fully considered and are persuasive. The rejection of claims **1-3, 5-12, and 14-15** have been withdrawn.

2. Claims **1-3, 5-12, and 14-15** are allowable. Claims **4 and 13** are canceled. Claims **7 and 8** are amended by examiner's amendment ***(see following pages)***.

attached **"Allowable Subject Matter/Reasons for Allowance"**

1. Claims **1-3, 5-12, and 14-15** are allowable.
2. The following is an examiner's statement of reasons for allowance:

1. Independent claims **1 and 9** are allowed.
   a. The following is an examiner's statement of reasons for allowance:

      a. The prior art, which regards to claim 1, made of record, **Madan (" How DSL Works") in view of Bengtsson ("Zipper Performance when mixing ADSL and VDSL in terms of reach and capability")** discloses an **allocating transmission capacity between two directions of transmission and using different duplex methods simultaneously. Madan ("How DSL Works") in view of Bengtsson ("Zipper Performance when mixing DSL and VDSL in terms of reach and capability")** fails to teach **"wherein the step of allocating comprises allocating at least two frequency bands to FDD, said FDD bands following a first band in frequency, which is used for full duplex with echo cancellation, at least one of the FDD bands being used for upstream transmission and at least one for downstream transmission"**.

      b. The prior art, which regards to claim 9, made of record, **Madan (" How DSL Works") in view of Bengtsson ("Zipper Performance when mixing ADSL and VDSL in terms of reach and capability")** discloses an **allocating transmission capacity between two directions of transmission and using different duplex methods simultaneously. Madan ("How DSL Works") in view of Bengtsson ("Zipper Performance when mixing DSL and VDSL in**

terms of reach and capability") fails to teach **"wherein the control unit (15) is adapted to control the transceiver to allocate at least two frequency bands to FDD, said FDD bands following a first band in frequency, which first band is used for full duplex with echo cancellation, at least one of the FDD bands being used for upstream transmission and at least one for downstream transmission"**.

"Examiner's Amendment"

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interviews with **James Livingston (Reg. No. 55,394)** on **6/9/2010**.

7. (previously presented) A non transitory computer readable recording medium with a computer program recorded thereon directly loadable into the internal memory of a processing means within a computer placed in a transceiver, comprising the software code means for performing the steps of claim 1.

8. (previously presented) A non transitory computer readable storage medium with a computer program recorded thereon, executed by a processing means in a computer placed in a transceiver, to control an execution of the steps of claim 1.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ADAM DUDA whose telephone number is (571)270-5136. The examiner can normally be reached on Mon. - Fri. 9:30 a.m. - 7:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kwang B. Yao can be reached on (571) 272 - 3182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ADAM DUDA/
Examiner, Art Unit 2416

/KWANG B. YAO/
Supervisory Patent Examiner, Art Unit 2473